CLAIMS

What is claimed is:

1	1. A computer-based method of synchronizing a realization of a media stream		
2	having a first representation synchronized with said realization, and at least one second		
3	representation, said method comprising:		
4	determining structure information for said first representation and said at least		
5	one second representation;		
6	determining structure association information between said first representation		
7	and said at least one second representation; and		
8	synchronizing said at least one second representation with said first		
9	synchronized representation and said realization using said structure association		
10	information.		

- 2. The method according to claim 1, said step of determining structure information further comprising:
- analyzing said structure information of said first and said at least one second representation, and providing a stream of tree locators.
- 1 3. The method according to claim 2, further comprising:
 - aligning said determined structure information of said first representation and said at least one second representation.
 - 4. The method according to claim 3, wherein said realization comprises at least one version of content, said method further comprising:
 - aligning said at least one version of content with said first representation to produce a web of relations between said at least one version of content and said first representation.

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1	5 .	The method according to claim 4, wherein said aligning said at least one version				
2	of content with said first representation produces a web of relations between a structura					
3	view	view of said at least one version of content and said first representation.				
1	6.	The method according to claim 3, further comprising:				
2		aligning an audio stream specified by said media stream with an audio structure				
3	corresponding to said audio stream.					
1	7.	The method according to claim 3, further comprising:				
2		aligning a text stream specified by said media stream with a text structure				
3	corre	corresponding to said text stream.				
1	8.	A system for synchronizing a realization of a media stream having a first				
2	repre	representation synchronized with said realization, and at least one second				
3	repre	representation, said system comprising:				
4		a first structurer configured to determine structure information for said first				
5	repre	representation;				
6		at least a second structurer configured to determine structure information for said				
7	at least one second representation; and					
8		a first aligner configured to align said structure information for said first				
9	repre	esentation and said at least one second representation.				
1	9.	The system according to claim 8, further comprising:				
2		at least one renderer configured to render said at least one second				
3	repre	esentation, after being synchronized, in a form suitable for displaying as an				
4	over	overlayed subtitle.				
1	10.	The system according to claim 9, wherein said realization specifies a media				
2		stream, said system further comprising:				

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3		a tree aligner configured to determine a tree structure for said media stream.			
1	11.	The system according to claim 10, further comprising:			
2		means for detecting speech and non-speech boundaries.			
1	12.	The system according to claim 10, further comprising:			
2		means for detecting transitions and speaker changes.			
1	13.	A machine-readable storage, having stored thereon a computer program having			
2	a plu	rality of code sections executable by a machine for causing the machine to perform			
3	the steps of:				
4		determining structure information for a first representation being synchronized to			
5	a corresponding media stream and at least one second representation;				
6		determining structure association information between said first representation			
7	and said at least one second representation; and				
8	synchronizing said at least one second representation with said first				
9	synchronized representation and said realization using said structure association				
10	infor	mation.			
1	14.	The machine-readable storage according to claim 13, said step of determining			
2	struc	ture information further comprising:			
3		analyzing said structure information of said first and said at least one second			
4	repre	esentation, and providing a stream of tree locators.			
1	15.	The machine-readable storage according to claim 14, further comprising:			
2		aligning said determined structure information of said first representation and			

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said at least one second representation.

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16.	The machine-readable storage according to claim 15, wherein said realization
comp	rises at least one version of content, said machine-readable storage further
comp	rising:
	aligning said at least one version of content with said first representation to
produ	ice a web of relations between said at least one version of content and said first
repre	sentation.

- 17. The machine-readable storage according to claim 15, wherein said aligning said at least one version of content with said first representation produces a web of relations between a structural view of said at least one version of content and said first representation.
- 18. The machine-readable storage according to claim 15, further comprising: aligning an audio stream specified by said media stream with an audio structure corresponding to said audio stream.
- 1 19. The machine-readable storage according to claim 15, further comprising:
 2 aligning a text stream specified by said media stream with a text structure
 3 corresponding to said text stream.